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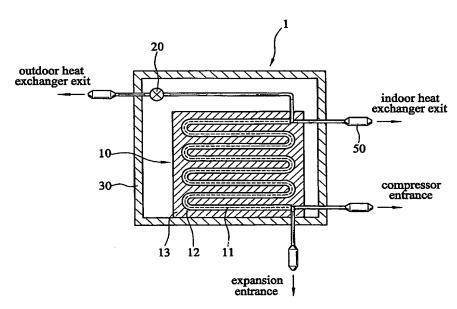
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(54) Title: IMPROVEMENT SYSTEM OF ENERGY EFFICINCY FOR REFRIGERATION CYCLE



(57) Abstract: The improvement system of energy efficiency for the refrigeration cycle is comprised of: an auxiliary heat exchanger unit for heat-exchanging between refrigerant liquid having high pressure and refrigerant vapor having low pressure; and a cabinet which houses a pressure support value placed at an inlet of an inner pipe of the auxiliary heat exchanger unit, and a pressure of the refrigerant liquid having high pressure condensed at the outdoor heat exchanger is decreased by the pressure support value, and a condensed pressure of the outdoor heat exchanger is maintained. The system can be used to accompany with the ordinary air cooler and heat pump etc., and a conventional refrigerator can be utilized for both heating and cooling like the heat pump, thus leading to an increase of coefficient of performance and a decrease of consumption of electric power.



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